

## CAMK2B

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**72kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human CAMK2B

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

CAM2; CAMK2; CAMKB;

**Catalog #:**A2508

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**816

**Isotype:**IgG

**Swiss Prot:**Q13554

**Purity:**Affinity purification

For research use only.

**Background:**

The product of this gene belongs to the serine/threonine protein kinase family and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells, the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a beta chain. It is possible that distinct isoforms of this chain have different cellular localizations and interact differently with calmodulin. Eight transcript variants encoding eight distinct isoforms have been identified for this gene.

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